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## LIMITING WARMING TO 1.5°C IMPLIES REACHING NET ZERO CO2 EMISSIONS GLOBALLY BY AROUND 2050



## CLIMATE CHANGE IS DRIVING MATERIAL PHYSICAL EFFECTS AND TRANSITION EFFORTS











Indonesian forest fires cost USD 5.2 BN in economic losses Malaysian Government to allocate USD 3.2 Bn for Flood Mitigation until 2030 Singapore vows to "ditch petrol cars" 2022: 8000 EVs, 1.2% of vehicles 1H 2023: 1500 New EVs, 15% of new vehicles

Vietnam faces an early retirement of 28 GW coal-fired power plants before 2040 Indonesia to export 2GW renewable energy to Singapore annually in 5 years; 15% of Singapore's energy needs

### IN LINE WITH GLOBAL PEERS, INDONESIA TOO HAS ESTABLISHED ITS OWN CLIMATE COMMITMENTS AND STRATEGIES





#### **CURRENT STATE**

- 2.47 GtCO2e (2019, top 10 largest emissions)
- Ranked in top 3 countries globally in terms of climate risk exposure<sup>1</sup>



#### **TARGET STATE**

- Projected BAU emissions (2030): 2.87 GtCO2e
- Achieve Net Zero by 2060 or sooner
  - Interim emissions reduction target 2030<sup>2</sup>
    - Unconditional: ~32%, 1.95GtCO2e
    - -Conditional<sup>3</sup>: ~43% , 1.63GtCO2e

#### AND HAS ALREADY INITIATED COAL-PHASE OUT AND SECURED FUNDING FROM GLOBAL PARTNERSHIPS

**Government initiatives to reduce carbon emissions** 



**Folu Net Sink** 2030: eliminate deforestation



Carbon trading<sup>1</sup> platform



**Advancement on** CCS/CCUs<sup>2</sup>



Retire 4.8GW coal fired power plants by 2030



**Incentives for** rooftop solar and EV<sup>3</sup>



**27 Provinces have** energy transition plans



With ADB, design new capital city to be (NZ, 2045)

**Funding and investment on climate** change



**USD 35+ BN** of Government spend from 2016-2021



o o USD 50M+ from Norway – as part of FOLU Net Sink 2030



USD 20 BN pledged by JETP<sup>4</sup> at G20 (2022)



**USD 100M+** grants from GEF's Climate Finance Funds

## REGULATORS, INCLUDING OJK, MANDATE INSURERS AND FIS TO ADOPT STRONG CLIMATE RISK MANAGEMENT FRAMEWORKS IN RESPONSE TO CLIMATE RISKS



## ACCORDINGLY, INSURERS AND PENSION FUNDS ARE FOCUSSING ON MANAGING THEIR IMPACT ON CLIMATE AND CLIMATE'S IMPACT ON THEIR BALANCE SHEETS

# HOW DO WE CONTRIBUTE TO CLIMATE CHANGE?

Shift the portfolio to reduce Scope 3 emissions (clients' emissions)

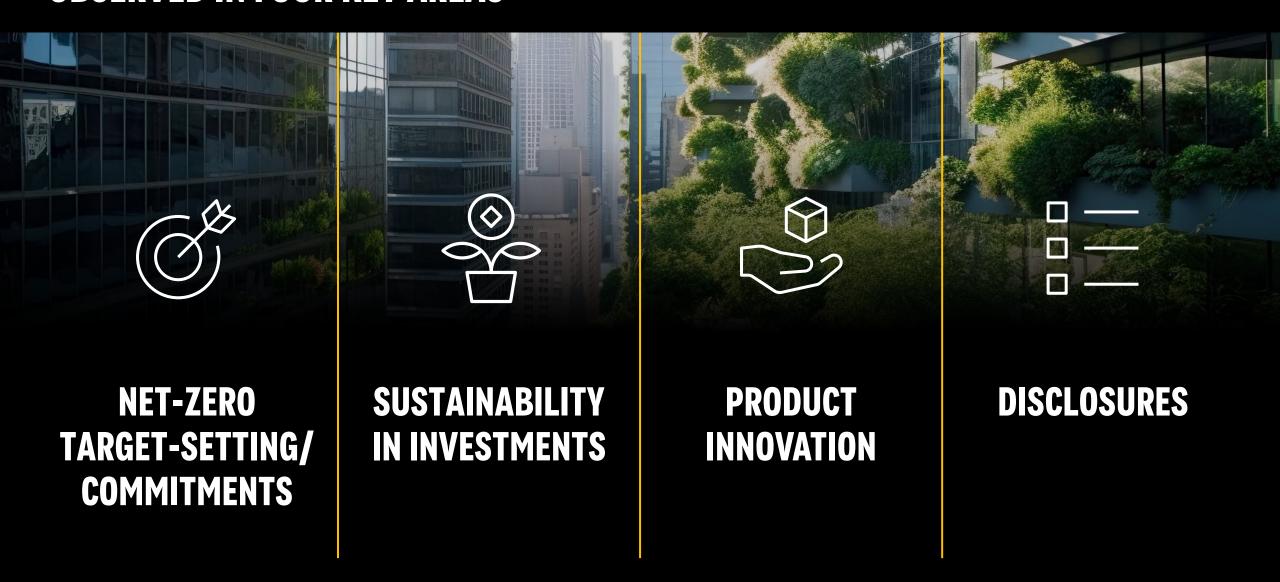
Investors and shareholders are the primary stakeholders on this front

# HOW DOES CLIMATE CHANGE IMPACT US?

Reduce financial risk exposure to climate change

Regulators are the primary stakeholders on this front

## ACCELERATION BY GLOBAL INSURERS AND PENSION FUNDS IS PARTICULARLY OBSERVED IN FOUR KEY AREAS



## WE SEE VARYING DEGREES OF MATURITY AND AMBITION ACROSS PLAYERS WHEN EMBEDDING CLIMATE RISK AND SETTING NET-ZERO TARGETS

1

2

3

4

PRE-EMPT FUTURE REGULATIONS

ACTIVE MONITORING PORTFOLIO

MINIMIZE FINANCIAL LOSSES

CHAMPION ENVIRONMENTAL RISK ISSUES

#### **WIDE SPECTRUM OF AMBITIONS CAN BE SEEN IN THE INDUSTRY TODAY**

Ambition level	1. Compliance Regulatory Minimum	2. Opportunist Integrating ESG in business activities	3. ESG champions ESG central to the organization; progress on NZ target
Examples of insurers	Mostly all sizeable insurers	Some Asian players	Multiple EU and some large US players



#### **HOW CAN INSURERS ACHIEVE NET-ZERO?**

- Aligned to Net Zero based on independent scientific view of what that means
- Alignment to include: 1. Own Operations 2. Investments and 3. Underwriting
- Cover all key transition sectors over time (need not be 100% immediately)
- Honest, achievable, and sufficiently bold
- Granular with interim targets 2030 is more important than 2050
- Supported by defined and aligned engagement strategies Not a stab
  in the dark

### INSURERS EMBEDDED ESG FACTORS INTO INVESTMENT DECISIONS AND UTILIZE INFLUENCE AS INVESTORS TO STEER THE PORTFOLIO TOWARDS "GREEN"







Typically 10–20% exposure to sectors with inherent ESG risk



**Exclusions/divest** 



Engage/Influence
Investees to transition

Illustrative



Transaction – ESG risk assessment



Innovate – launch and tilt budget to "green" funds

Coal

**0&G** 

**Transport** 

Steel



**Real Estate** 



Measuring and monitoring portfolio emissions

## CLIMATE TRANSITION PROVIDES INSURERS WITH NEW BUSINESS OPPORTUNITIES

Globally insurers have already made efforts to support and commercialise the transition

Indonesian insurers also offer "green" insurance

CLIMATE RISK ADVISORY







ENVIRONMENTAL LIABILITY



**AGRI INSURANCE** 



**EV INSURANCE** 





RENEWABLE ENERGY RELATED INSURANCE





GREEN BUILDING ENERGY INSURANCE





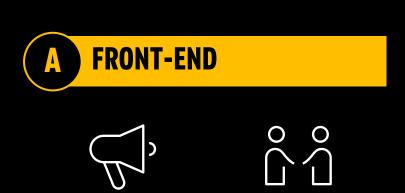
ENERGY ASSET INSURANCE (INCL RENEWABLE)



EARTHQUAKE INSURANCE



#### WHAT INSURERS CAN DO TO FURTHER COMMERCIALISE THE OPPORTUNITY

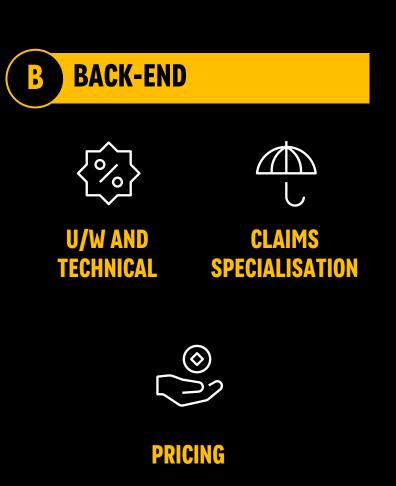


**MARKETING** 



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## WHAT GOOD LOOKS LIKE ON JOURNEY TOWARDS CLIMATE RISK MANAGEMENT AND DISCLOSURE



SUSTAINABILITY REPORTING



NET ZERO ALIGNMENT



RISK MANAGEMENT AND MEASUREMENT



COMMERCIAL OPPORTUNITIES



STAKEHOLDER MANAGEMENT



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